



Montgomery County Public Schools Lead in Drinking Water Testing 2018

Executive Summary:

Sherwood High School

300 Olney Sandy Spring Road
Silver Spring, Maryland 20860

Date of Test Report:	4/15/2018
Round of Testing:	Initial
# of Outlets Tested:	46
# of Outlets ≥ 20 ppb:	0
Low Value (ppb):	<1.0
High Value (ppb):	7.4

Project Status:

Initial testing complete: All results less than 20 ppb.



4/15/2018

Mr. Brian Mullikin, MS
Environmental Team Leader
Montgomery County Public Schools
Division of Maintenance
Gaithersburg, Maryland 20879

Re: Drinking Water Testing

KCI Job #1214634186

Location: Sherwood High School

300 Olney Sandy Spring Road
Silver Spring, Maryland 20860

Dear Mr. Mullikin:

KCI Technologies, Inc. (KCI) is pleased to submit the following report to the Montgomery County Public Schools (MCPS) for completion of Initial lead in water testing at Sherwood High School, located at 300 Olney Sandy Spring Road in Silver Spring, Maryland 20860.

SCOPE OF SERVICES

KCI conducted lead in water testing at Sherwood High School in accordance with the Environmental Protection Agency (EPA) and Maryland House Bill (HB) 270. State regulation established an action level of 20 parts per billion (ppb) to evaluate lead levels in school buildings, a concentration EPA recommends that schools take action to reduce lead below this action level. Maryland requires periodic testing for the presence of lead in drinking water in occupied public and nonpublic school buildings. EPA developed the 3T's (Training, Testing, and Telling) to assist schools in reducing the lead concentrations in their drinking water. More information about 3T's can be found on the EPA website.

KCI visited the site on 3/15/2018 and 3/16/2018 to collect samples from 46 drinking water outlets in accordance with current criteria described by the Maryland Department of the Environment (MDE) Draft Lead in Drinking Water - Public and Nonpublic Schools, Title 26, Subtitle 16 Lead, Chapter 07.

Samples were submitted to a laboratory for lead in water analysis using current US EPA methodology. The laboratory has been certified by the Maryland Department of the Environment to analyze drinking water for lead.

RESULTS

There are no results of the lead in water analysis at or above 20 parts per billion (ppb). The lead in water sample results for sample collection date 3/16/2018 are shown in Attachment A.

DISCUSSION

Lead is a naturally occurring element that can be harmful to humans when ingested or inhaled, particularly to children under the age of six. Lead can adversely affect the development of children's brain potentially leading to detrimental alterations in intelligence and behavior. Lead has been historically used in plumbing, paint and other building materials. Lead is released into the environment from industrial sources and fuel combustion. Lead may also be found in consumer products (imported candy, medicines, toys, dishes, etc.).

Most lead leaches into drinking water from contact with plumbing components such as faucets and valves made of brass or lead-containing solder. The physical and chemical interaction that occurs between the plumbing and water directly contributes to the amount of lead that is released into the water. Although plumbing components installed prior to the 1990's could contain more lead than newer materials, the amount of lead in the drinking water cannot be predicted by the age of building. The purpose of this regulation is to establish a program to minimize the risk of exposure to lead in drinking water outlets at schools.

Simple steps like keeping your home clean and well-maintained will go a long way in preventing lead exposure. These steps include inspecting and maintaining all painted surfaces to prevent paint deterioration, using only cold water to prepare food and drinks, flushing water outlets used for drinking or food preparation, and cleaning around painted areas where friction can generate dust, such as doors, windows, and drawers. Wipe these areas with a wet sponge or rag to remove paint chips or dust, and wash children's hands, bottles, pacifiers and toys often.

Respectfully Submitted,
KCI Technologies, Inc.



Kamau McAbee
MDE Certified Water Sampler #8281KM

Attachment:

A- Lead in Water Test Summary Table

ATTACHMENT A

Lead in Water Test Summary Table

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Lead in Water Test Summary Table

Contractor: KCI Technologies, Inc.

Certified Laboratory: Microbac Laboratories, Inc.

Sample Results for Sherwood High School

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04888	293	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04889	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04890	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04891	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04892	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04893	287B	Kitchen Cafeteria		Faucet	1.1	Pass	Testing Complete
LW04894	287B	Kitchen Cafeteria		Faucet	4.7	Pass	Testing Complete
LW04895	287B	Kitchen Cafeteria		Faucet	7.4	Pass	Testing Complete
LW04896	287B	Kitchen Cafeteria		Faucet	<1.0	Pass	Testing Complete
LW04897	287B	Kitchen Cafeteria		Icemaker	<1.0	Pass	Testing Complete
LW04898	287A	Break Room		Faucet	<1.0	Pass	Testing Complete
LW04899	287	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW04900	287	Cafeteria		Cooler	<1.0	Pass	Testing Complete
LW04901	202	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04902	228	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04903	239	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
LW04904	254	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
LW04905	257	Office		Faucet	1.1	Pass	Testing Complete
LW04906	272	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04907	275	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04908	275	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04909	286	Office Science		Faucet	<1.0	Pass	Testing Complete
LW04910	264	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete

Barcode ID	Room #	Location	Location Notes	Equipment Type	Results (PPB)*	Pass/Fail	Status
LW04911	219	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04912	219	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04913	162	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04914	162	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW04915	157	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
LW06383		Hallway	Left Of 123	Cooler	<1.0	Pass	Testing Complete
LW06384		Hallway	Next To Theater	Cooler	<1.0	Pass	Testing Complete
LW06385		Hallway	Next To Theater	Cooler	<1.0	Pass	Testing Complete
M35557		Administration		Faucet	5.1	Pass	Testing Complete
M35588	287	Cafeteria	Near Kitchen	Cooler	<1.0	Pass	Testing Complete
M35589	287	Cafeteria	Near Kitchen	Cooler	<1.0	Pass	Testing Complete
M35593	292	Health Room		Faucet	<1.0	Pass	Testing Complete
M35596		Work Room Counselor	in Counselor	Faucet	<1.0	Pass	Testing Complete
M35609		Work Room Media Center	in IMC	Faucet	<1.0	Pass	Testing Complete
M35610	214	Break Room		Faucet	2.2	Pass	Testing Complete
M35614	221	Classroom		Faucet	<1.0	Pass	Testing Complete
M35626	239	Hallway	Next To	Cooler	<1.0	Pass	Testing Complete
M35629	250	Office Social Studies		Faucet	1.4	Pass	Testing Complete
M35633	254	Hallway	Across From	Cooler	<1.0	Pass	Testing Complete
M35637	259	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M35638	259	Hallway	Outside Of	Cooler	<1.0	Pass	Testing Complete
M36064	272	English Office		Faucet	2.0	Pass	Testing Complete
M37335	152	Work Room		Faucet	1.2	Pass	Testing Complete

*PPB = parts per billion